

Sample/Film	Power [W]	CO ₂ [sccm]	CH ₄ [sccm]	Ar [sccm]	O ₂ [sccm]	C ₂ H ₂ [sccm]	NH ₃ [sccm]	Thickness [nm]	Surface Tension. [mN/m]		Polarity [%]	
									January 1998	January 1999	Jan. 99	Jan. 99
1/PET	95	48	-	12	-	-	-	26	47	49	30	38
2/PET	105	48	24	-	-	-	-	32	45	49	33	33
3/PET	126	48	24	-	-	-	-	30	47	47	30	35
4/PET	88	48	24	12	-	-	-	24	48	47	32	31
5/PET	78	36	36	12	-	-	-	80	45	44	27	27
6/PET	99	48	12	-	-	-	-	10	50	48	39	34
7/PET	75	48	24	-	-	-	-	45	49	47	33	32
8/PET	123	48	24	-	-	-	-	64	48	45	33	33
9/PET	137	36	36	12	-	-	-	168	45	44	26	29
10/PET	62	48	12	12	-	-	-	9	52	50	41	39
11/PET	103	48	12	12	-	-	-	11	50	48	40	40
12/PET	106	48	-	12	-	12	-	284	51	52	29	36
13/PET	100	-	12	12	12	-	-	18	51	50	39	38
14/PET	110	12	-	12	6	-	-	12	47	45	32	33
15/PET	104	6	12	12	6	-	-	8	49	46	34	34
16/PET	108	6	24	12	6	-	-	22	45	45	28	30
1/BOPP	70	48	12	12	-	-	-	10	52	52	42	42
2/BOPP	60	48	12	12	-	-	-	11	51	51	42	42
17/PET	100	-	12	12	-	-	48	27	-	58	-	60
18/PET	250	-	12	12	-	-	24	35	-	53	-	55
19/PET	200	-	24	12	-	-	24	46	-	45	-	41
20/PET	120	24	12	12	-	-	24	25	-	54	-	43
21/PET	130	12	12	12	-	-	24	18	-	63	-	65
22/PET	115	24	12	12	-	-	24	16	-	56	-	50
12 µm PET-Film										42.0		7
20 µm BOPP-Film										30.2		3

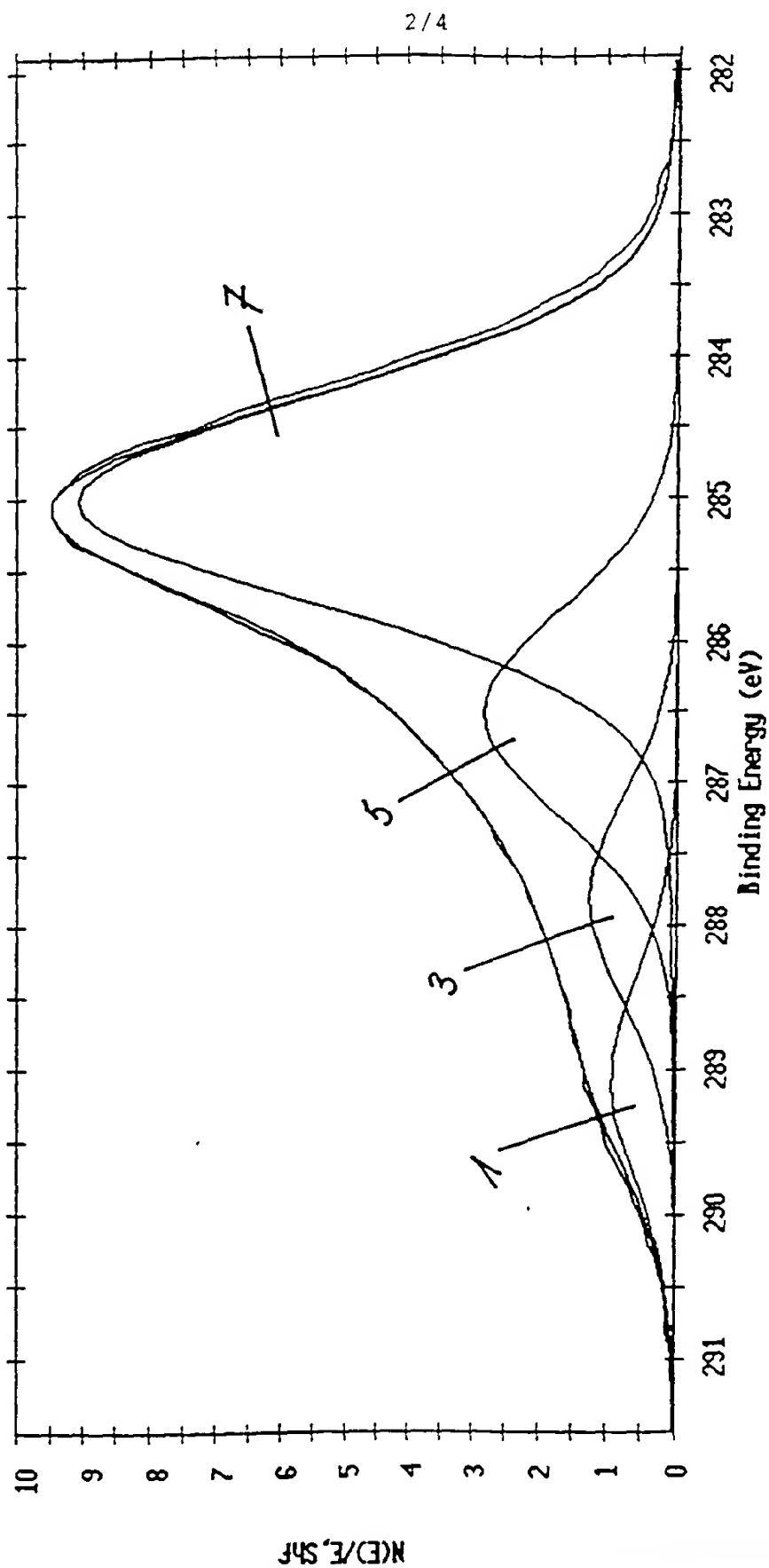


Fig. 2a

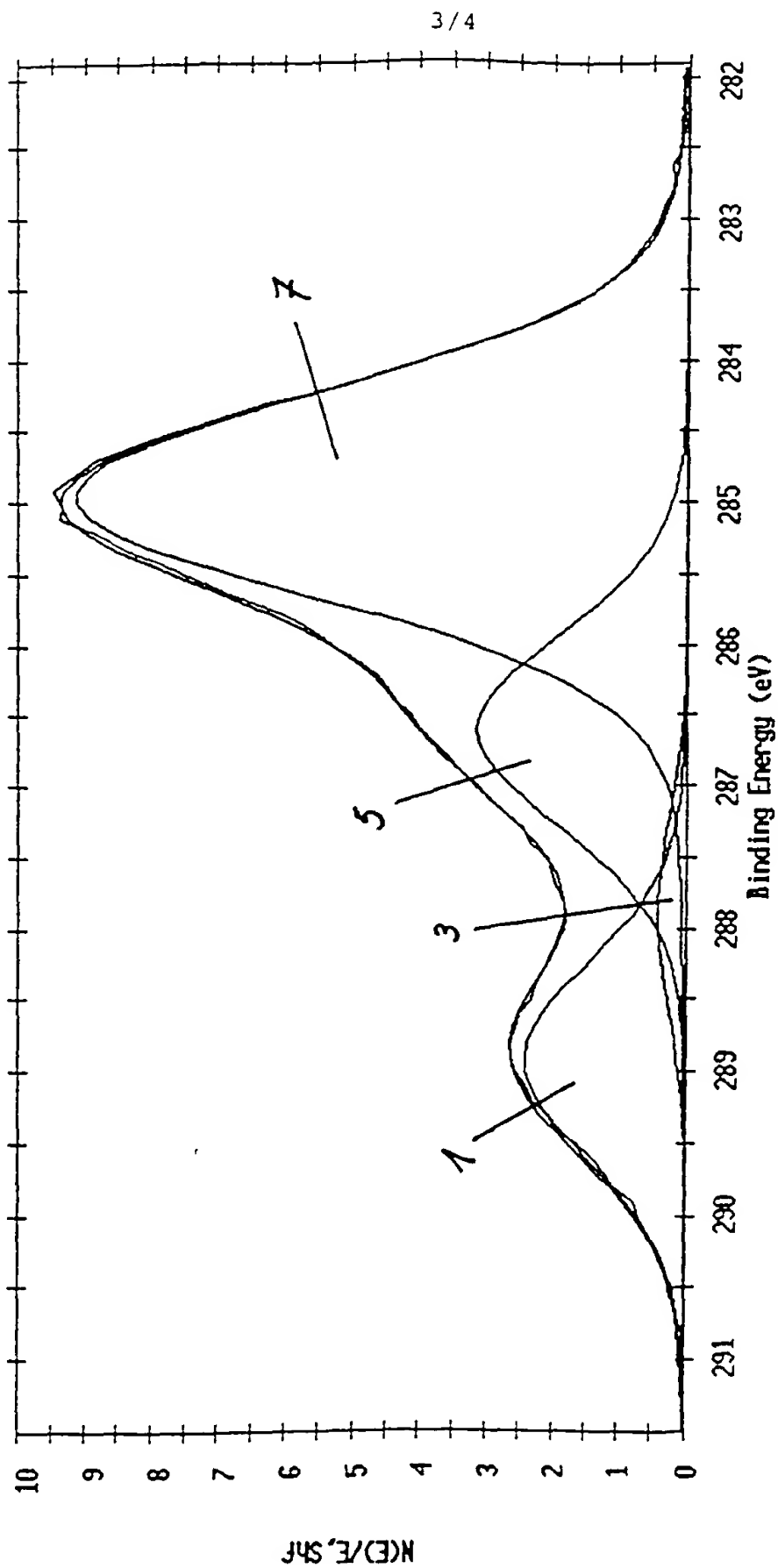


Fig. 2b

Polar Surfaces

